#### Message

From: Salazar, Keith [Salazar.Keith@epa.gov]

**Sent**: 10/28/2015 2:23:54 PM

To: Glenn, Barbara [Glenn.Barbara@epa.gov]
CC: Cooper, Glinda [Cooper.Glinda@epa.gov]

Subject: RE: Reference questions for formaldehyde HERO linking (EP-B15C-00013; TD No. PS-15-002)

The WHO, 2011 is in HERO. HERO ID: 1249755

From: Glenn, Barbara

Sent: Tuesday, October 27, 2015 9:31 AM

To: Salazar, Keith <Salazar.Keith@epa.gov>
Cc: Cooper, Glinda <Cooper.Glinda@epa.gov>

Subject: FW: Reference questions for formaldehyde HERO linking (EP-B15C-00013; TD No. PS-15-002)

Hi Keith,

In addition to the two citations that Glinda asked you for, this one (WHO 2011) also needs the full citation so SRC can link to HERO. If it is not in HERO we can ask them to add it. Do you know if it is?

Thanks, Barbara

From: Melia, Julie [mailto:jmelia@srcinc.com]
Sent: Tuesday, October 27, 2015 9:26 AM

To: Glenn, Barbara < Glenn.Barbara@epa.gov>; Konoza, Terri < Konoza.Terri@epa.gov>; Kraft, Andrew

<Kraft.Andrew@epa.gov>

**Cc:** Chamberlin, Lisa < <a href="mailto:lchamberlin@srcinc.com">! Carlson-Lynch, Heather < <a href="mailto:hclynch@srcinc.com">hclynch@srcinc.com</a>; Printup, Heather < <a href="mailto:hclynch@srcinc.com">hclynch@srcinc.com</a>

Subject: RE: Reference questions for formaldehyde HERO linking (EP-B15C-00013; TD No. PS-15-002)

Hi Barbara,

The citation of WHO (2011) in the Summary-Allergy Asthma file is shown below (see Section 1.1.1.2).

"There are presently no accepted animal models pertinent to humans for determining dose response relationships or the potential of low molecular weight chemicals to induce allergic symptoms via the inhalation route (WHO, 2011)."

I hope this information is helpful.

Thanks very much,

Julie

Julie A. Melia (Stickney), Ph.D., DABT
Senior Toxicologist
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Scarborough, ME 04074
T 207-883-9824
C 207-318-6409
imelia@srcinc.com
www.srcinc.com

From: Glenn, Barbara [mailto:Glenn.Barbara@epa.gov]

Sent: Monday, October 26, 2015 4:07 PM

To: Melia, Julie < imelia@srcinc.com>; Konoza, Terri < Konoza.Terri@epa.gov>; Kraft, Andrew < Kraft.Andrew@epa.gov>

Subject: FW: Reference questions for formaldehyde HERO linking (EP-B15C-00013; TD No. PS-15-002)

Hi Julie,

Here are the answers to your questions. There are two references that need identifying and I'll send those when we have them.

-Barbara

From: Cooper, Glinda

**Sent:** Monday, October 26, 2015 1:26 PM **To:** Glenn, Barbara < <u>Glenn.Barbara@epa.gov</u>> **Cc:** Kraft, Andrew < Kraft.Andrew@epa.gov>

Subject: RE: Reference questions for formaldehyde HERO linking (EP-B15C-00013; TD No. PS-15-002)

#### Answers below:

#### In Study Evaluation –allergy asthma:

1-Miyake et al. 2011-please provide HERO ID

Apparently it is not in HERO yet. This is the citation:

Miyake Y, Tanaka K, Arakawa M. Sibling number and prevalence of allergic disorders in pregnant Japanese women: baseline data from the Kyushu Okinawa Maternal and Child Health Study. BMC Public Health. 2011 Jul 14;11:561. doi: 10.1186/1471-2458-11-561. PMID: 21752304. Please add to HERO.

2-This sentence below has a HERO ID in the comment, should it be linked in the text? HERO ID 2373756 was in the comments.

Summary of reclassification of studies

This evaluation process resulted in the refinement of the inclusion criteria and exclusion criteria, and 7 studies were reclassified based on these revisions (Table A.1.2-1)

Delete the reference to HERO ID 2373756. It should NOT be linked anywhere in this paragraph.

3-Casset et al 2006-please specify correct reference used.

Casset, A; Marchand, C; Purohit, A; le Calve, S; Uring-Lambert, B; Donnay, C; Meyer, P; de Blay, F. (2006). Inhaled formaldehyde exposure: effect on bronchial response to mite allergen in sensitized asthma patients. Allergy 61: 1344-1350. <a href="http://dx.doi.org/10.1111/j.1398-9995.2006.01174.x">http://dx.doi.org/10.1111/j.1398-9995.2006.01174.x</a>

# Summary-Allergy Asthma:

1-On page 2 there are 4 HERO ID's listed but only 3 references listed in the string. Do you also want HERO ID 626372, Norback et al 1995 included in this string of references?

No, do not put Norback (HERO 2373756) in this list.

2-Hwang et al., 2011-please specify which reference should be cited.

Hwang, G; Yoon, C; Choi, J. (2011). A Case-Control Study: Exposure Assessment of VOCs and Formaldehyde for Asthma in Children. Aerosol Air Qual Res 11: 908-914. http://dx.doi.org/10.4209/aaqr.2011.05.0072

3-Please provide HERO ID or citations for the following references:

Anderson 2008

I could not find WHO 2011 – wher eis this in the text? I asked Keith to track down Anderson 2008 and Shin 2009 references

Glinda

Glenn, Barbara

Sent: Monday, October 26, 2015 10:27 AM

To: Cooper, Glinda < Cooper. Glinda@epa.gov >
Cc: Kraft, Andrew < Kraft. Andrew@epa.gov >

Subject: FW: Reference questions for formaldehyde HERO linking (EP-B15C-00013; TD No. PS-15-002)

Hi Glinda,

SRC has the following questions regarding the HERO linking to the allergy/ asthma sections.

-Barbara

From: Melia, Julie [mailto:jmelia@srcinc.com]
Sent: Monday, October 26, 2015 10:18 AM

**To:** Glenn, Barbara < <u>Glenn.Barbara@epa.gov</u>>; Konoza, Terri < <u>Konoza.Terri@epa.gov</u>>; Kraft, Andrew < Kraft.Andrew@epa.gov>

**Cc:** Soto, Vicki < Soto. Vicki@epa.gov >; Printup, Heather < printup@srcinc.com >; Chamberlin, Lisa < ichamberlin@srcinc.com >; Carlson-Lynch, Heather < hclynch@srcinc.com >

Subject: Reference questions for formaldehyde HERO linking (EP-B15C-00013; TD No. PS-15-002)

Hi all,

We have some formaldehyde reference questions that require EPA feedback:

# In Study Evaluation –allergy asthma:

1-Miyake et al. 2011-please provide HERO ID

2-This sentence below has a HERO ID in the comment, should it be linked in the text? HERO ID 2373756 was in the comments.

Summary of reclassification of studies

This evaluation process resulted in the refinement of the inclusion criteria and exclusion criteria, and 7 studies were reclassified based on these revisions (Table A.1.2-1)

3-Casset et al 2006-please specify correct reference used.

Casset, A; Marchand, C; Purohit, A; Le Calve, S; Donnay, C; Meyer, P; Pauli, G; De Blay, F. (2006). Low exposure to inhaled formaldehyde: Effect on allergen bronchial response in asthmatics sensitized to mite [Abstract]. J Allergy Clin Immunol 117: S23-S23.

Casset, A; Marchand, C; Purohit, A; le Calve, S; Uring-Lambert, B; Donnay, C; Meyer, P; de Blay, F. (2006). Inhaled formaldehyde exposure: effect on bronchial response to mite allergen in sensitized asthma patients. Allergy 61: 1344-1350. <a href="http://dx.doi.org/10.1111/j.1398-9995.2006.01174.x">http://dx.doi.org/10.1111/j.1398-9995.2006.01174.x</a>

Casset, A; Purohit, A; Marchand, C; Le Calvé, S; Donnay, C; Uring-Lambert, B; Bahram, S; Pauli, G; de Blay, F. (2006). Le formaldéhyde inhalé et la réponse bronchique [Review]. Rev Mal Respir 23: 3S25-23S34. http://dx.doi.org/10.1019/200530196

# Summary-Allergy Asthma:

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- Hwang, I; Go, H; Jeon, YK; Ko, YH; Yoon, DH; Suh, C; Huh, JR; Lee, H; Gil, M; Park, CS. (2011). Expression of JL1 in Burkitt lymphoma is associated with improved overall survival. Virchows Arch 459: 353-359. http://dx.doi.org/10.1007/s00428-011-1134-6
- Hwang, YJ; Park, HJ; Hahn, HJ; Kim, JY; Ko, JH; Lee, YW; Choe, YB; Ahn, KJ. (2011). Immediate pigment darkening and persistent pigment darkening as means of measuring the ultraviolet A protection factor in vivo: a comparative study. Br J Dermatol 164: 1356-1361. http://dx.doi.org/10.1111/j.1365-2133.2011.10225.x

3-Please provide HERO ID or citations for the following references: Anderson 2008 WHO 2011 Shin 2009

I appreciate your response to these queries.

Thanks very much,

Julie

Julie A. Melia (Stickney), Ph.D., DABT Senior Toxicologist Defense and Environmental Solutions SRC, Inc. 162 US Route 1 Scarborough, ME 04074 T 207-883-9824 C 207-318-6409 imelia@sreine.com www.sreine.com